

Rev07
 Update: Aug,20,2025

DATASHEET

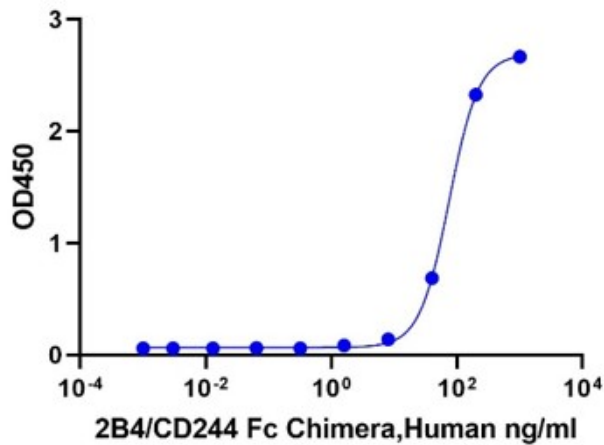
2B4/CD244 Fc Chimera, Human

Cat. No.: Z03445

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> 2B4/CD244 (Cys22-Arg221) Accession # Q9BZW8 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> hFc </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by gel clotting method
Biological Activity	Immobilized SLAMF2 (Mammalian,C-mFc) at 1.0 μg/ml, 2.0 μg/ml(100 μl/well) can bind 2B4/CD244, hFc, Human with EC ₅₀ =48.56 ng/ml, EC ₅₀ =75.13 ng/ml when detected by Mouse Anti Human IgG Fc-HRP.
Expression System	HEK 293
Apparent Molecular Weight	~73.6 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Examples



Immobilized SLAMF2 (Mammalian,C-mFc) at 1 µg/ml, 2 µg/ml(100 µl/well) can bind 2B4/CD244 Fc Chimera, Human with EC50=48.56 ng/ml, EC50=75.13 ng/ml when detected by Mouse Anti Human IgG Fc-HRP. Background was subtracted from data points before curve fitting.

Background

Target Background : CD244 (Cluster of Differentiation 244) is a human protein encoded by the CD244 gene. It is also known as Natural Killer Cell Receptor 2B4. This gene encodes a cell surface receptor expressed on natural killer cells (NK cells) (and some T cells) mediating non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via this receptor is thought to modulate NK-cell cytolytic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. CD244 can also be expressed on non-lymphocytes such as eosinophils, mast cells and dendritic cells.

Synonyms : NAIL; NKR2B4; Nmrk; SLAMF4; CD244 molecule; CD_antigen: CD244

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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